Part Five EPA-RG-2014-004884



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 33) Federal Operating Permit Program

| Date: 8/1/2012 | | | RN No.: RN100218841 | Permit No.: | O3392 | |
|----------------|--|--|---|---------------|------------|--|
| Area Name: | Area Name: Kaneka CPVC Division | | | | | |
| | | | L questions unless otherwise directed. ILY these questions unless otherwise dire | ected. | 170000000 | |
| EMIS | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | |
| C. | C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued) | | | | | |
| | | | Process Wastewater Streams | - | | |
| | 21. | total source mass fl | water streams at the site are demonstrated ow rate of less than 1 MG/yr. Duestion VIII.C.21. is "YES", go to Quest | | ☐ YES ☐ NO | |
| | 22. | streams demonstrat 1 MG/yr. | ed and/or partially treated Group 1 wasted to have a total source mass flow rate of the desired visit. C.22. is "NO", go to Question VIII.C.22. is "NO", go to Question visit." | of less than | YES NO | |
| | 23. | | a includes waste management units that a treated Group 1 wastewater stream prior | | ☐ YES ☐ NO | |
| | 24. | wastewater streams is not owned or ope | r streams or residual removed from Grou are transferred to an on-site treatment of trated by the owner or operator of the sou e stream or residual. | peration that | ☐ YES ☐ NO | |
| | 25. | wastewater streams | r streams or residual removed from Grou are transferred to an off-site treatment o Juestion VIII.C.24 - VIII.C.25 is both "No | peration. | ☐ YES ☐ NO | |



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|---|---|---|---------------------------|------------------------------|--|--|
| Area Name: Kaneka | Area Name: Kaneka CPVC Division | | | | | |
| | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | |
| VIII. TITLE 40 CO EMISSION ST (continued) | DE OF FEDER FANDARDS FO | AL REGULATIONS PART 63 (40 CI OR HAZARDOUS AIR POLLUTANT | FR PART 63) S FOR SOUI | - NATIONAL RCE CATEGORIES | | |
| Organic | Chemical Man | mission Standards for Organic Hazard nfacturing Industry for Process Vents vater <i>(continued)</i> | | | | |
| | P | rocess Wastewater Streams (continue | d) | | | |
| ma Gre <i>If t</i> | nage a Group 1 v oup 1 wastewate | a includes waste management units that wastewater stream or a residual removed restream prior to shipment or transport. Suestion VIII.C.24 - VIII.C.25 is both "Note that waste is a superior of the stream prior to shipment or transport. | l from a | ☐ YES ☐ NO | | |
| Gre | | a includes containers that receive, mana r stream or a residual removed from a G | | ☐ YES ☐ NO | | |
| | | Drains | | | | |
| ma Gre | nage a Group 1 v oup 1 wastewate | a includes individual drain systems that wastewater stream or a residual removed r stream. Question VIII.C.28 is "NO", go to Questi | l from a | ☐ YES ☐ NO | | |
| cor | mplying with 40 | a includes individual drain systems that CFR § 63.136 through the use of cover systems and control devices | | ☐ YES ☐ NO | | |
| cor | | a includes individual drain systems that CFR § 63.136 through the use of water or plugs. | | ☐ YES ☐ NO | | |
| tres tha | nches, or pipes tl t meets the criter | a includes drains, drain hubs, manholes, nat are part of a chemical manufacturing ria of 40 CFR § 63.100(b). Question VIII.C.31 is "NO", go to Questi | process unit | ☐ YES ☐ NO | | |



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|--|--|---|--|------------|--|
| Area Name: Kane | ka CPVC Division | | | | |
| | | L questions unless otherwise directed. VLY these questions unless otherwise dire | ected. | | |
| VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | |
| Org | C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued) | | | | |
| | | Drains (continued) | | | |
| 32. | trenches or pipes (tunit) that meet the | ta includes drains, drain hubs, manholes, hat are part of a chemical manufacturing criteria listed in 40 CFR § 63.149(d). Question VIII.C.32 is "NO", go to Question | process | ☐ YES ☐ NO | |
| 33. | trenches, or pipes to concentration great | hat convey water with a total annual aver ter than or equal to 10,000 parts per million d in 40 CFR Part 63 Subpart G, Table 9, | age on by weight | ☐ YES ☐ NO | |
| 34. | trenches or pipes the concentration great of compounds liste | ca includes drains, drain hubs, manholes, nat convey water with a total annual average than or equal to 1,000 parts per million d in 40 CFR Part 63 Subpart G, Table 9, preater than or equal to 10 liters per minut | age n by weight at an annual | ☐ YES ☐ NO | |
| 35. | trenches or pipes the that is subject to the or (1)(2); and the econcentration great compounds listed in | ca includes drains, drain hubs, manholes, nat are part of a chemical manufacturing penew source requirements of 40 CFR § 6 quipment conveys water with a total annuter than or equal to 10 parts per million by a 40 CFR Part 63 Subpart G, Table 8, at a cater than or equal to 0.02 liter per minut | process unit 53.100(l)(1) all average y weight of an average | ☐ YES ☐ NO | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 36)

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|-----------------|--|---|--------------------------|---------------------|
| Area Name: Kane | ka CPVC Division | | | |
| | | L questions unless otherwise directed. ILY these questions unless otherwise dire | cted. | |
| | N STANDARDS FO | AL REGULATIONS PART 63 (40 CF OR HAZARDOUS AIR POLLUTANTS | | |
| Org | C. Subpart G - National Emission Standards for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater (continued) | | | |
| | | Gas Streams | | |
| 36. | 40 CFR § 63.107(b | a includes gas streams meeting the character (h) or the criteria of 40 CFR § 63.1130 trol device not owned or operated by the | i) and are | ☐ YES ☐ NO |
| 37. | The applicant is uncone or more reason | able to comply with 40 CFR §§ 63.113 - s described in 40 CFR § 63.100(q)(1), (3) | 63.118 for), or (5). | YES NO |
| | | nission Standards for Chromium Emis ng and Chromium Anodizing Tanks | sions From I | Hard and Decorative |
| 1. | anodizing tanks loc | a includes chromium electroplating or ch ated at hard chromium electroplating, dec ating, and/or chromium anodizing operat | corative | ☐ YES ⊠ NO |
| E. Sub | part O - Ethylene O | xide Emissions Standards for Sterilizat | ion Facilities | 3 |
| 1. | oxide is used in the | a includes sterilization facilities where et sterilization or fumigation of materials. Question VIII.E.1 is "NO", go to Section 1 | , | ☐ YES ⊠ NO |
| 2. | CFR Part 63, Subpa | es located in the application area are subj art O. Question VIII.E.2 is "NO", go to Section 1 | | ☐ YES ☐ NO |
| 3. | | urce has used less than 1 ton (907 kg) of a secutive 12-month periods after Decemb | | YES NO |
| 4. | | urce has used less than 10 tons (9070 kg) asecutive 12-month periods after Decemb | | YES NO |



Date: 8/1/2012

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RN No.: RN100218841

Date: 8/1/2012 RN No.: RN100218841 Permit No.: O3392
Area Name: Kaneka CPVC Division

| Area Name: Kaneka CPVC Division | | | | | |
|---------------------------------|--|------|--|-------------------|--|
| | | | ications, answer ALL questions unless otherwise directed. lications, answer ONLY these questions unless otherwise directed. | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | |
| | F. | Subp | art Q - National Emission Standards for Industrial Process Cooling To | owers | |
| | | 1. | The application area includes industrial process cooling towers. If the response to Question VIII.F.1 is "NO", go to Section VIII.G. | ⊠ YES □ NO | |
| | | 2. | Chromium-based water treatment chemicals have been used on or after September 8, 1994. | ☐ YES ⊠ NO | |
| | G. | | oart R - National Emission Standards for Gasoline Distribution Facilitininals and Pipeline Breakout Stations) | es (Bulk Gasoline | |
| | • | 1. | The application area includes a bulk gasoline terminal. | ☐ YES ⊠ NO | |
| | | 2. | The application area includes a pipeline breakout station. If the responses to Questions VIII.G.1 and VIII.G.2 are both "NO", go to Section VIII.H. | ☐ YES ⊠ NO | |
| | | 3. | The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with another bulk gasoline terminal or a pipeline breakout station. If the response to Question VIII.G.3 is "YES", go to Question VIII.G.9. | ☐ YES ☐ NO | |
| | | 4. | The bulk gasoline terminal or pipeline breakout station is located within a contiguous area and under common control with sources, other than bulk gasoline terminals or pipeline breakout stations that emit or have the potential to emit HAPs. If the response to Question VIII. G.4 is "YES", go to Question VIII. G.9. | ☐ YES ☐ NO | |
| | | 5. | The value 0.04(OE) is less than 5% of the value of the bulk gasoline terminal emissions screening factor (ET) or the pipeline breakout station emissions screening factor (Ep). If the response to Question VIII.G.5 is "NO", go to Question VIII.G.9. | ☐ YES ☐ NO | |
| | | 6. | Emissions screening factor less than 0.5 (ET or EP < 0.5). If the response to Question VIII.G.6 is "YES", go to Section VIII.H. | ☐ YES ☐ NO | |



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|------------------------|--|-------------------|--|
| Area Name: Kaneka CPVC | Division | | |
| | answer ALL questions unless otherwise direct | | |

For GOP applications, answer UNLY these questions unless otherwise directe TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL VIII. EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) Subpart R - National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline G. Terminals and Pipeline Breakout Stations) (continued) ☐ YES ☐ NO ☐N/A Emissions screening factor greater than or equal to 0.5, but less than 7. $1.0 (0.5 \le ET \text{ or } EP < 1.0).$ If the response to Question VIII.G.7 is "YES", go to Section VIII.H ☐ YES ☐ NO ☐N/A Emissions screening factor greater than or equal to 1.0 (ET or $EP \ge 1.0$). 8. If the response to Question VIII.G.8 is "YES", go to Question VIII.G.10. ☐ YES ☐ NO The site at which the application area is located is a major source of 9. If the response to Question VIII.G.9 is "NO", go to Section VIII.H ☐ YES ☐ NO The application area is using an alternative leak monitoring program as 10. described in 40 CFR § 63.424(f). Subpart S - National Emission Standards for Hazardous Air Pollutants from the Pulp and Paper H. Industry 🗌 YES 🕅 NO The application area includes processes that produce pulp, paper, or 1. paperboard and are located at a plant site that is a major source of HAPs as defined in 40 CFR § 63.2. If the response to Question VIII.H.1 is "NO", go to Section VIII.I. The application area uses processes and materials specified in 40 CFR ☐ YES ☐ NO 2. § 63.440(a)(1) - (3). If the response to Question VIII.H.2 is "NO", go to Section VIII.I. ☐ YES ☐ NO The application area includes one or more sources subject to 40 CFR Part 3. 63. Subpart S that are existing sources. If the response to Question VIII.H.3 is "NO", go to Section VIII.I. ☐ YES ☐ NO The application area includes one or more kraft pulping systems that are 4. existing sources.



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| Date: 8/1/2012 | | | RN No.: RN100218841 | Permit No.: C |)3392 | | |
|----------------|--|--|---|--|----------------------|--|--|
| Area Nan | Area Name: Kaneka CPVC Division | | | | | | |
| For ♦ For | SOP ap | plications, answer ALs oplications, answer ON | L questions unless otherwise o ILY these questions unless oth | directed. herwise directed. | | | |
| VIII. T | TARREST TO THE COLUMN TO THE C | | | | | | |
| F | H. Sul | bpart S - National En lustry <i>(continued)</i> | nission Standards for Hazar | dous Air Pollutants fron | n the Pulp and Paper | | |
| | 5. | The application are systems that are ex | a includes one or more dissol isting sources at a kraft or sul | ving-grade bleaching fite pulping mill. | ☐ YES ☐ NO | | |
| | 6. | and are complying Program for Efflue | a includes bleaching systems with the Voluntary Advanced on Limitation Guidelines in 40 Question VIII.H.6 is "NO", go | Technology Incentives OCFR § 430.24. | YES NO | | |
| | 7. | The application are 40 CFR § 63.440(d | ea includes bleaching systems l)(3)(i). | that are complying with | YES NO | | |
| | 8. | The application are 40 CFR § 63.440(c | ea includes bleaching systems l)(3)(ii). | that are complying with | YES NO | | |
| I. S | Subpart | T - National Emissio | n Standards for Halogenate | d Solvent Cleaning | | | |
| | 1. | line cold, and/or ba hazardous air pollu halogenated HAP s | ea includes an individual batch atch cold solvent cleaning madutant (HAP) solvent, or any consolvents, in a total concentrating and/or drying agent. | chine that uses a ombination of | ☐ YES ⊠ NO | | |
| | 2. | cleaning machines | ea is located at a major source, qualifying as affected facilititrichloroethylene or methyle | ies, that use | ☐ YES ☐ NO | | |
| | 3. | cleaning machines | ea is located at an area source, other than cold batch cleanir trichloroethylene or methylen | ng machines, that use | ☐ YES ☐ NO | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 40) **Federal Operating Permit Program**

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|---------------------------------|---------------------|-------------------|
| Area Name: Kaneka CPVC Division | | |

For SOP applications, answer ALL questions unless otherwise directed.

| ♦ <i>F</i> | For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | |
|-------------------|--|--|--|------------|--|--|--|
| VIII. | EMI | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | |
| | J. | Subpart U - National Emission Standards for Hazardous Air Pollutant Emissions: Group 1 Polymers and Resins | | | | | |
| | | 1. | The application area includes elastomer product process units and/or wastewater streams and wastewater operations that are associated with elastomer product process units. If the response to Question VIII.J.1 is "NO", go to Section VIII.K. | ☐ YES ⊠ NO | | | |
| | | 2. | Elastomer product process units and/or wastewater streams and wastewater operations located in the application area are subject to 40 CFR Part 63, Subpart U. If the response to Question VIII.J.2 is "NO", go to Section VIII.K. | ☐ YES ☐ NO | | | |
| | | 3. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for organic HAPs as defined in 40 CFR § 63.482. | ☐ YES ☐ NO | | | |
| | | 4. | The application area includes process wastewater streams that are Group 2 for organic HAPs as defined in 40 CFR § 63.482. | ☐ YES ☐ NO | | | |
| | | 5. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flowrate of less than 1 MG/yr. If the response to Question VIII.J.5. is "YES", go to Question VIII.J.15. | ☐ YES ☐ NO | | | |
| | | 6. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flowrate of less than 1 MG/yr. If the response to Question VIII.J.6. is "NO", go to Question VIII.J.8. | ☐ YES ☐ NO | | | |
| | | 7. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐ YES ☐ NO | | | |



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| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit No.: O3392 | |
|----------------|---|---------|---|---|-----------------------|------------------------------|
| Area Na | Area Name: Kaneka CPVC Division | | | | | |
| Fo | or SOF | P appli | ications, answer ALI | L questions unless otherwise directed. ILY these questions unless otherwise dire | cted. | |
| VIII. | TITL | E 40 (| CODE OF FEDER N STANDARDS FO | AL REGULATIONS PART 63 (40 CF OR HAZARDOUS AIR POLLUTANTS | R PART 63) | - NATIONAL RCE CATEGORIES |
| | J. | | oart U - National En mers and Resins <i>(co</i> | nission Standards for Hazardous Air F ontinued) | Pollutant Emi | ssions: Group 1 |
| | 8. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | | | ☐ YES ☐ NO | | |
| | 9. Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. If the response to Question VIII.J.8 - VIII.J.9 are both "NO", go to Question VIII.J.11. | | | ☐ YES ☐ NO | | |
| | | 10. | manage a Group 1 | ra includes waste management units that rewastewater stream or a residual removed or stream prior to shipment or transport. | receive or from a | ☐ YES ☐ NO |
| | | | | Containers | | |
| | | 11. | The application are Group 1 wastewater wastewater stream. | ea includes containers that receive, manager stream or a residual removed from a Gr | ge, or treat a coup 1 | ☐ YES ☐ NO |
| | _ | | | Drains | | |
| | | 12. | manage a Group 1 Group 1 wastewate | ea includes individual drain systems that newastewater stream or a residual removed er stream. Question VIII.J.12. is "NO", go to Questi | l from a | ☐ YES ☐ NO |
| | | 13. | complying with 40 | ea includes individual drain systems that a CFR § 63.136 through the use of cover a systems and control devices. | are and, if | ☐ YES ☐ NO |
| - | | 14. | | ea includes individual drain systems that a CFR § 63.136 through the use of water s or plugs. | | ☐ YES ☐ NO |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 42) Federal Operating Permit Program

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|----------------|--------------------------------|--|--|--|-----------------------------|
| Date: 8/1/2012 | | | RN No.: RN100218841 | Permit No.: C | J339Z |
| | | a CPVC Division | | | |
| lacksquare F | or SOP appli or GOP appl | ications, answer ALL 'ications, answer ON | L questions unless otherwise directed. ILY these questions unless otherwise dire | ected. | |
| VIII. | TITLE 40 (EMISSION (continued) | N STANDARDS FO | AL REGULATIONS PART 63 (40 CI OR HAZARDOUS AIR POLLUTANT | FR PART 63) IS FOR SOUR | - NATIONAL CE CATEGORIES |
| | | oart U - National En mers and Resins <i>(co</i> | nission Standards for Hazardous Air ontinued) | Pollutant Emi | ssions: Group 1 |
| | | | Drains (continued) | | |
| | 15. | trenches, or pipes th | a includes drains, drain hubs, manholes, hat are part of an elastomer product proc Question VIII.J.15 is "NO", go to Section | cess unit. | ☐ YES ☐ NO |
| | 16. | trenches or pipes the § 63.501(a)(12). | a includes drains, drain hubs, manholes, at meet the criteria listed in 40 CFR § 6. Question VIII.J.16 is "NO", go to Section | 3.149(d) and | YES NO |
| | 17. | trenches, or pipes the | a includes drains, drain hubs, manholes, hat convey water with a total annual ave er than or equal to 10,000 parts per milliting the definition of organic HAP in 40 w rate. | rage ion by weight | ☐ YES ☐ NO |
| | 18. | trenches or pipes the concentration greater of compounds meet | a includes drains, drain hubs, manholes, nat convey water with a total annual aver than or equal to 1,000 parts per millicating the definition of organic HAP in 40 ual average flow rate greater than or equ | rage on by weight CFR | ☐ YES ☐ NO |
| | 19. | trenches or pipes the is a new affected so equipment conveys greater than or equameeting the definition. | ca includes drains, drain hubs, manholes, nat are part of an elastomer product procurce or part of a new affected source and a water with a total annual average concertal to 10 parts per million by weight of conion of organic HAP in 40 CFR § 63.482 we rate greater than or equal to 0.02 liter | ess unit that nd the entration ompounds t, at an | ☐ YES ☐ NO |



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| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit No.: | O3392 |
|--|---|---|---|---|---|-------------------|
| Area N | ame: | Kanel | ca CPVC Division | | | |
| $F\epsilon$ $lacktriangleright$ | or SOL or GO | o appl P app | lications, answer ALL lications, answer ON | , questions unless otherwis LY these questions unless o | e directed. otherwise directed. | |
| VIII. | I. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | |
| | K. | K. Subpart W - National Emission Standards for Hazardous Air Pollutants for Epoxy Resins Production and Non-nylon Polyamides Production | | | | |
| | 1. The manufacture of basic liquid epoxy resins (BLR) and/or manufacture of wet strength resins (WSR) is conducted in the application area. If the response to Question VIII.K.1 is "NO" or "N/A", go to Section VIII.L. □ YES ☑ NO □ | | | | ☐ YES ⊠ NO ☐ N/A | |
| 2. The application area includes a BLR and/or WSR research and development facility. | | | | ☐ YES ☐ NO | | |
| | L. | Subpart X - National Emission Standards for Hazardous Air Pollutants from Secondary Lead Smelting | | | | |
| | | 1. | CFR § 63.541(a) th | a includes one or more of the at are located at a secondar duestion VIII.L.1 is "NO" of | y lead smelter. | ☐ YES ⊠ NO ☐ N/A |
| | - | 2. | | a is using and approved alt 5) for control of fugitive du | | YES NO |
| | M. | Subj | part Y - National Er | nission Standards for Ma | rine Tank Vessel Loading | Operations |
| | | 1. | The application are are specified in 40 defined in 40 CFR | a includes marine tank vess CFR § 63.560 and located a § 63.561. | sel loading operations that at an affected source as | ☐ YES ⊠ NO |
| | N. | N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries | | | | |
| | | <u> </u> | | Applicability | у | |
| | | 1. | related emission po 40 CFR § 63.640(c | a includes petroleum refini ints that are specified in)(1) - (c)(7). Question VIII.N.1 is "NO", | | ☐ YES ⊠ NO |



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| Date: 8/1/2012 RN No.: RN100218841 | | | Permit No.: | O3392 | | | | |
|------------------------------------|--|---|--|---|------------|--|--|--|
| Area Name: Kaneka CPVC Division | | | | | | | | |
| igoplus Fe | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | |
| | N. Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum Refineries | | | | | | | |
| | | | Applicability | | | | | |
| | 2. | within the applicate 40 CFR § 63.640(g | ning process units/and or relation area are specified in g)(1) - (g)(7). Question VIII.N.2 is "YES", | | ☐ YES ☐ NO | | | |
| | 3. | defined in the Fede | ea is located at a plant site the eral Clean Air Act § 112(a). Question VIII.N.3 is "NO", g | | ☐ YES ☐ NO | | | |
| | 4. | equipment contain table 1 of 40 CFR. | ea is located at a plant site wing/contacting one or more of Part 63, Subpart CC. Question VIII.N.4 is "NO", g | of the HAPs listed in | ☐ YES ☐ NO | | | |
| | 5. | conveyed, stored, of that also receives s | ea includes Group 1 wastewa or treated in a wastewater str treams subject to the provisi of Subpart G wastewater pr | eam management unit ions of 40 CFR | ☐ YES ☐ NO | | | |
| - | 6. | conveyed, stored, of that also receives s | ea includes Group 2 wastewa or treated in a wastewater str treams subject to the provisi of Subpart G wastewater pr | ream management unit ions of 40 CFR | ☐ YES ☐ NO | | | |
| | 7. | that are conveyed, management unit t 40 CFR §§ 63.133 section. | ea includes Group 1 or Groustored, or treated in a waster hat also receives streams sulus - 63.147 of Subpart G waste? Question VIII.N.7 is "NO", g | water stream bject to the provisions of ewater provisions | ☐ YES ☐ NO | | | |
| | 8. | | ea includes Group 1 or Groug with 40 CFR § 63.640(o)(2 | | ☐ YES ☐ NO | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REO1 (Page 45) **Federal Operating Permit Program**

| Date: 8/1/2012 | RN No.: RN100218841 | Permit No.: O3392 |
|---------------------------------|---------------------|-------------------|
| Area Name: Kaneka CPVC Division | | |

For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL VIII. EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) Subpart CC - National Emission Standards for Hazardous Air Pollutants from Petroleum N. Refineries (continued) ☐ YES ☐ NO The application area includes Group 1 or Group 2 wastewater streams 9. that are complying with 40 CFR § 63.640(o)(2)(ii). If the response to Ouestion VIII.N.9 is "NO", go to Section VIII.O ☐ YES ☐ NO The application area includes Group 2 wastewater streams or organic 10. streams whose benzene emissions are subject to control through the use of one or more treatment processes or waste management units under the provisions of 40 CFR Part 61, Subpart FF on or after December 31, 1992. Containers, Drains, and other Appurtenances ☐ YES ☐ NO The application area includes containers that are subject to the 11. requirements of 40 CFR § 63.135 as a result of complying with 40 CFR § 63.640(o)(2)(ii). YES NO The application area includes individual drain systems that are subject to the requirements of 40 CFR § 63.136 as a result of complying with 40 CFR § 63.640(o)(2)(ii). Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations O. The application area is located at a plant site receiving material that ☐ YES ☒ NO ☐ N/A 1. meets the criteria for off-site material as specified in 40 CFR § 63.680(b)(1). If the response to Question VIII.O.1 is "NO" or "N/A", go to Section ☐ YES ☐ NO 2. Materials specified in 40 CFR § 63.680(b)(2) are received at the application area.



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 46) Federal Operating Permit Program

| Date: 8/1/2012 | | | RN No.: RN100218841 | Permit No.: | O3392 | | | |
|--------------------|--|--|--|---|---------------|--|--|--|
| Area Name: I | Area Name: Kaneka CPVC Division | | | | | | | |
| For SOF | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| VIII. TITL EMIS | TARREST CONTRACTOR OF THE CONT | | | | | | | |
| 0. | Subp | art DD - National H | Emission Standards for Off | f-site Waste and Recove | ry Operations | | | |
| | 3. | The application area off-site material and | a has a waste management o l is regulated under 40 CFR | peration receiving Part 264 or Part 265. | ☐ YES ☐ NO | | | |
| | 4. | The application area has a waste management operation treating wastewater which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(6) or 265.1(c)(10). | | | ☐ YES ☐ NO | | | |
| | 5. The application area has an operation subject to Clean Water Act, § 402 or § 307(b) but is not owned by a "state" or "municipality." | | | ☐ YES ☐ NO | | | | |
| | 6. | The predominant activity in the application area is the treatment of wastewater received from off-site. | | | YES NO | | | |
| | 7. The application area has a recovery operation that recycles or reprocesses hazardous waste which is an off-site material and is exempted under 40 CFR §§ 264.1(g)(2) or 265.1(c)(6). | | ☐ YES ☐ NO | | | | | |
| | 8. | reprocesses used so a chemical, petroleu | a has a recovery operation the livent which is an off-site mann, or other manufacturing properties by another subpart of | aterial and is not part of process that is required | ☐ YES ☐ NO | | | |
| | 9. | reprocesses used oil | a has a recovery operation the label which is an off-site material subpart F (Standards for Use | al and is regulated under | ☐ YES ☐ NO | | | |
| | 10. | of HAPs in the off- | a is located at a site where the site material is less than 1 m Question VIII.O.10 is "YES", | negagram per year. | ☐ YES ☐ NO | | | |



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| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit N | o.: O3392 | | | |
|---------------------|--|-----|---|--|---|------------|--|--|--|
| Area N | Area Name: Kaneka CPVC Division | | | | | | | | |
| $lackbox{}{lack} F$ | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | |
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | |
| | O. Subpart DD - National Emission Standards for Off-site Waste and Recovery Operations | | | | | | | | |
| | | 11. | concentration less the combined with mate 500 ppmw or greater | han 500 ppmw at the poi erials having a VOHAP | | ☐ YES ☐ NO | | | |
| | | 12. | VOHAP concentrat | ion is determined by dir | ect measurement. | YES NO | | | |
| | - | 13. | VOHAP concentrat | ion is based on knowled | ge of the offsite material. | ☐ YES ☐ NO | | | |
| | | 14. | compressor, and ag system, open-ended system. | itator, pressure relief dev | component that is a pump vice, sampling connection nnector or instrumentation O", go to Question | | | | |
| | | 15. | An equipment com off-site material wi 10% by weight. | ponent in the application the a HAP concentration | a area contains or contacts greater than or equal to | ☐ YES ☐ NO | | | |
| | | 16. | | ponent in the application during a 12-month perio | n area is intended to operat d. | e YES NO | | | |
| | • | 17. | The application are site material. | a includes containers tha | nt manage non-exempt off | - YES NO | | | |
| | | 18. | The application are non-exempt off-site | a includes individual dra e materials. | ain systems that manage | ☐ YES ☐ NO | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 48) Federal Operating Permit Program

| Date: 8 | rte: 8/1/2012 RN No.: RN100218841 Permit No.: O3392 | | | .: O3392 | | | |
|--|---|---|--|--|---------------------|-------------------------|--|
| Area N | Area Name: Kaneka CPVC Division | | | | | | |
| lack F | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | |
| VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | |
| | Р. | Subp | oart GG - National l | Emission Standards for Aerospace Ma | nufacturin | g and Rework Facilities | |
| | 1. The application area includes facilities that manufacture or rework commercial, civil, or military aerospace vehicles or components. If the response to Question VIII.P.1 is "NO" or "N/A", go to Section VIII.Q. | | ☐ YES ⊠ NO ☐ N/A | | | | |
| | | 2. | | a includes one or more of the affected so \$ 63.741(c)(1) - (7). | ources | ☐ YES ☐ NO | |
| | Q. | Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities. | | | | | |
| ♦ | | The application area is subject to 40 CFR Part 63, Subpart HH - National Emission Standards for Hazardous Air Pollutants from Oil and Natural Gas Production Facilities. For GOP applications, go to Section VIII.Y | | ☐ YES ⊠ NO | | | |
| | R. | Subp | air (Surface Coating) | | | | |
| | | 1. | The application are If the response to Q | a includes shipbuilding or ship repair op duestion VIII.R.1 is "NO", go to Section | erations. VIII.S. | ☐ YES ⊠ NO | |
| | | 2. | | p repair operations located in the applica FR Part 63, Subpart II. | ntion area | ☐ YES ☐ NO | |
| | S. | Subp | oart JJ - National E | mission Standards for Wood Furnitur | e Manufac | turing Operations | |
| | | 1. | operations and/or wooperations. | a includes wood furniture manufacturing rood furniture component manufacturing truestion VIII.S.1 is "NO" or "N/A", go to the street of the st | 5 | ☐ YES ⊠ NO ☐ N/A | |
| | | 2. | | a meets the definition of an "incidental vefined in 40 CFR § 63.801. | wood | ☐ YES ☐ NO | |
| | T. | Subp | part KK - National | Emission Standards for the Printing a | nd Publish | ing Industry | |
| - | | 1. | The application are packaging rotograv | a includes publication rotogravure, produre, or wide-web flexographic printing p | uct and oresses. | ☐ YES ⊠ NO ☐N/A | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 49) Federal Operating Permit Program

| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit No. | : O3392 | |
|----------------|--|------|---|---|--|-------------------------|--|
| Area Nar | Area Name: Kaneka CPVC Division | | | | | | |
| For ♦ For | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | |
| H | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | |
| τ | U. Subpart PP - National Emission Standards for Containers | | | | | | |
| | | 1. | Part 60, 61, or 63 su Subpart PP for the 6 | a includes containers for which abpart references the use of 40 control of air emissions. uestion VIII.U.1 is "NO", go to | CFR Part 63, | ☐ YES ⊠ NO | |
| | | 2. | The application are controls. | a includes containers using Con | ntainer Level 1 | YES NO | |
| | | 3. | The application are controls. | a includes containers using Con | ntainer Level 2 | ☐ YES ☐ NO | |
| | • | 4. | The application are controls. | a includes containers using Cor | ntainer Level 3 | ☐ YES ☐ NO | |
| 7 | V. | Subp | art RR - National I | Emission Standards for Indivi | idual Drain Systems | | |
| | | 1. | another 40 CFR Par | a includes individual drain system t 60, 61, or 63 subpart reference art RR for the control of air emi | es the use of 40 | ☐ YES ⊠ NO | |
| V | | | | Emission Standards for Hazar evable Control Technology S | | for Source Categories - | |
| | | 1. | an acrylic and moda | a includes an acetal resins production process 103(b)(3)(i); or an existing pol | unit complying | ☐ YES ⊠ NO | |
| | | 2. | from an acetal resign modacrylic fiber pr § 63.1103(b)(3)(i); | a includes process wastewater says production process unit; an acoduction process unit complying or an existing polycarbonate processions VIII.W.1. and VIII.W.1. | crylic and ng with 40 CFR roduction process. | ☐ YES ⊠ NO | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 50) Federal Operating Permit Program

| Date: 8/1/2012 | | | | RN No.: RN10021884 | 1 I | Permit No. | : O3392 | | | |
|-----------------|---|-----|--|--|---|--------------------|------------|--|--|--|
| Area 3 | area Name: Kaneka CPVC Division | | | | | | | | | |
| j ♦] | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | | | |
| VIII. | III. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | | | |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | | | |
| | | 3. | | a includes process waste p 1 or are determined to CFR § 63.132(c). | | | YES NO | | | |
| | | 4. | | a includes process waste roup 2 under the require | | are | ☐ YES ☐ NO | | | |
| | • | 5. | | vater streams at the site ow rate of less than 1 M | | nave a | ☐ YES ☐ NO | | | |
| | | 6. | streams demonstrat 1 MG/yr. | ed and/or partially treated to have a total source duestion VIII.W.6. is "No | e mass flowrate of | less than | ☐ YES ☐ NO | | | |
| | | 7. | The application are manage a partially during treatment. | a includes waste manag treated Group 1 wastewa | ement units that re ater stream prior to | ceive or or | ☐ YES ☐ NO | | | |
| | | 8. | wastewater streams that is not owned or | r streams or residual ren are transferred to an on r operated by the owner te stream or residual. | -site treatment ope | eration | ☐ YES ☐ NO | | | |
| | • | 9. | wastewater streams | r streams or residual rerearch are transferred to an of Question VIII.W.8. and W. | f-site treatment op | eration. | ☐ YES ☐ NO | | | |
| | | 10. | manage a Group 1 | a includes waste manag wastewater stream or a 1 r stream prior to shipme | residual removed f | ceive or from a | ☐ YES ☐ NO | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 51) Federal Operating Permit Program

| Date: 8/1/2012 RN No.: RN1002 | | | | RN No.: RN100218841 | Permit No. | : O3392 | | |
|-------------------------------|---|-----------------|--|---|---|------------|--|--|
| Area N | lame: | Kanek | a CPVC Division | | | | | |
| <i>F F F</i> | or SO. or GO | P appl P app | ications, answer AL lications, answer Ol | L questions unless otherw VLY these questions unless | ise directed. s otherwise directed. | | | |
| VIII. | | | | | | | | |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | | |
| | | 11. | The application are a Group 1 wastewa wastewater stream. | a includes containers that ter stream or a residual re | receive, manage, or treat moved from a Group 1 | ☐ YES ☐ NO | | |
| | | 12. | manage, or treat a from a Group 1 wa | ea includes individual drai Group 1 wastewater strear stewater stream. Question VIII.W.12. is "No | n or a residual removed | ☐ YES ☐ NO | | |
| | | 13. | complying with 40 | ea includes individual drai CFR § 63.136 through th t systems and control devi | e use of covers and, if | ☐ YES ☐ NO | | |
| | | 14. | The application are complying with 40 tightly fitting caps | ea includes individual drai CFR § 63.136 through th or plugs. | n systems that are e use of water seals or | ☐ YES ☐ NO | | |
| | | 15. | stations, trenches, or process unit; an accomplying with 40 polycarbonate proc | ea includes drains, drain has pripes that are part of an rylic and modacrylic fiber CFR § 63.1103(b)(3)(i); duction process unit. Question VIII.W.15. is "No | acetal resins production production process unit or an existing | ☐ YES ☐ NO | | |
| | | 16. | stations, trenches of § 63.1106(c)(1) - (| ea includes drains, drain her pipes that meet the crite 3). Question VIII.W.16. is "No | ria listed in 40 CFR | ☐ YES ☐ NO | | |
| | | 17. | stations, trenches of average concentrate by weight of comp | ea includes drains, drain her pipes that convey water ion greater than or equal to ounds meeting the definit Part 60, Subpart G, at any | with a total annual to 10,000 parts per million ion of organic HAP in | YES NO | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 52) Federal Operating Permit Program

| Date: 8/1/2012 | | | | RN No.: RN1002188 | 841 | Permit No. | .: U3392 | |
|----------------|--|-----|--|---|---|--|-------------------------|--|
| Area N | Area Name: Kaneka CPVC Division | | | | | | | |
| | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| VIII. | TIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | |
| | W. | | | Emission Standards f ievable Control Tech | | Pollutants | for Source Categories - | |
| | | 18. | stations, trenches or average concentrati by weight of compo Table 9 to 40 CFR | a includes drains, drain r pipes that convey wa ion greater than or equounds meeting the defi Part 60, Subpart G, at al to 10 liters per minu | ater with a total annual to 1,000 parts per inition of organic H an annual average f | ual r million AP in | ☐ YES ☐ NO | |
| | | 19. | stations, trenches of and modacrylic fibe affected source or i water with a total a to 10 ppmw of com Table 9 to 40 CFR | ra includes drains, drair pipes that are part of er production process as a new affected source nnual average concent apounds meeting the depart 60, Subpart G, at al to 0.02 liter per min | an acetyl resins or a unit that is part of a ce and the equipment tration greater than definition of organic an average annual f | acrylic new nt conveys or equal HAP in | ☐ YES ☐ NO | |
| | | 20. | The application are | ea includes an ethylene | production process | s unit. | ☐ YES ☒ NO ☐N/A | |
| | | 21. | ethylene production | Questions VIII.W.20. at | | | ☐ YES ⊠ NO ☐N/A | |
| | | 22. | CFR § 63.1103(e), | e) contains at least one Table 7(g)(1). Question VIII.W.22. is | | | ☐ YES ☐ NO | |
| | | 23. | Waste stream(s) are If the response to Q VIII.W.25. | e transferred off-site fo Question VIII.W.23. is | or treatment. "NO," go to Questi | ion | ☐ YES ☐ NO | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 53) **Federal Operating Permit Program**

| Date: 8/1/2012 | RN No.: RN100218841 | Permit No.: O3392 |
|---------------------------------|---------------------|-------------------|
| Area Name: Kaneka CPVC Division | | |

For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories -Generic Maximum Achievable Control Technology Standards The application area has waste management units that treat or manage ☐ YES ☐ NO 24. waste stream(s) prior to transfer off-site for treatment. If the response to Question VIII.W.24. is "YES," go to Question VIII.W.54 ☐ YES ☐ NO The total annual benzene quantity from waste at the site is less than 10 25. Mg/yr as determined according to 40 CFR § 61.342(a). ☐ YES ☐ NO 26. The application area contains at least one waste stream that is a continuous butadiene waste stream as defined in 40 CFR § 63.1082(b). If the response to Question VIII.W.26. is "NO," go to Question VIII.W.43. ☐ YES ☐ NO The waste stream(s) contains at least 10 ppmw 1,3-butadiene at a flow rate of 0.02 liters per minute or is designated for control. If the response to Question VIII.W.27. is "NO," go to Question VIII.W.43. ☐ YES ☐ NO The control requirements of 40 CFR Part 63, Subpart G for process 28. wastewater as specified in 40 CFR § 63.1095(a)(2) are selected for control of the waste stream(s). If the response to Question VIII.W.28. is "NO," go to Question VIII.W.33 ☐ YES ☐ NO 29. The application area includes containers that receive, manage, or treat a continuous butadiene waste stream. The application area includes individual drain systems that receive, YES NO 30. manage, or treat a continuous butadiene waste stream. If the response to Question VIII.W.30. is "NO", go to Question VIII.W.43. ☐ YES ☐ NO 31. The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if

vented, closed vent systems and control devices.



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 54) Federal Operating Permit Program

| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit No | .: O3392 | |
|---------------------------|--|-------|---|---|--------------------------------|------------|--|
| Area N | ame: | Kanek | a CPVC Division | | | | |
| $lackbox{F} = rac{F}{F}$ | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | |
| | | 32. | complying with 40 tightly fitting caps of | a includes individual drain syster CFR § 63.136 through the use of or plugs. estion VIII.W.32. is required, go | water seals or | ☐ YES ☐ NO | |
| | | 33. | that receive a contin | a has containers, as defined in 40 nuous butadiene waste stream. Suestion VIII.W.33. is "NO", go to | | ☐ YES ☐ NO | |
| | | 34. | 40 CFR § 61.345 re | a is an alternate means of complication and alternate means of complication viii. W.34 is "YES", go a | | ☐ YES ☐ NO | |
| | | 35. | Covers and closed- the container is mai pressure. | vent systems used for containers intained at a pressure less than at | operate such that mospheric | ☐ YES ☐ NO | |
| | | 36. | CFR § 61.341, that stream. | a has individual drain systems, as receive or manage a continuous duestion VIII.W.36. is "NO", go a | butadiene waste | ☐ YES ☐ NO | |
| | | 37. | meet the 40 CFR § | a is using an alternate means of a 61.346 requirements for individuduestion VIII.W.37 is "YES", go | al drain systems. | ☐ YES ☐ NO | |
| | | 38. | CFR § 61.346(a). | a has individual drain systems co | | ☐ YES ☐ NO | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 55) Federal Operating Permit Program

| Date: 8/1/2012 RN No.: RN100218841 Permit No.: O3392 | | | : O3392 | | | | |
|--|--|--|------------------|------------|--|--|--|
| Area Name: Kaneka CPVC Division | | | | | | | |
| For SOP ap | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | |
| EMISSI | TO THE PARTY OF TH | | | | | | |
| W. Su Ge | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | | | |
| 39 | operate such that th | vent systems used for individual drain sy te individual drain system is maintained a tmospheric pressure. | stems at a | ☐ YES ☐ NO | | | |
| 40 | CFR § 61.346(b). | a has individual drain systems complying Question VIII.W.40. is "NO", go to Quest | | ☐ YES ☐ NO | | | |
| 41 | system to prevent t | he individual drain systems are equipped he flow of organic vapors from the juncti nosphere during normal operation. | with a on box | ☐ YES ☐ NO | | | |
| 42 | Junction box vent p to a closed-vent sys | pipes in the individual drain systems are of stem and control device. | connected | ☐ YES ☐ NO | | | |
| 43 | benzene. | ea has at least one waste stream that contain the contain of the contain of the contains at least one waste stream that contains a second | | ☐ YES ☐ NO | | | |
| 44 | that receive a waste | ea has containers, as defined in 40 CFR § e stream containing benzene. Question VIII.W.44. is "NO", go to Quest | | ☐ YES ☐ NO | | | |
| 45 | 40 CFR § 61.345 r | ea is an alternate means of compliance to equirements for containers. Question VIII.W.45 is "YES", go to Question VIII.W | | ☐ YES ☐ NO | | | |
| 46 | Covers and closed- the container is ma pressure. | vent systems used for containers operate intained at a pressure less than atmosphe | such that | ☐ YES ☐ NO | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 56) Federal Operating Permit Program

| Date: 8/1/2012 | | 2 | | RN No.: RN100218841 | Permit No. | .: O3392 |
|--------------------------|--|--------------|---|---|---------------------|-------------------------|
| | | | a CPVC Division | | | |
| $lackbox{ } F \\ F = F $ | or GO | P appl | lications, answer ON | L questions unless otherwise directed. VLY these questions unless otherwise dire | | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | |
| | W. | Subp Gene | art YY - National I ric Maximum Achi | Emission Standards for Hazardous Air ievable Control Technology Standards | r Pollutants | for Source Categories - |
| | | 47. | CFR § 61.341, that benzene. | ea has individual drain systems, as defined receive or manage a waste stream contain Question VIII.W.47. is "NO", go to Quest | ining | ☐ YES ☐ NO |
| | | 48. | meet the 40 CFR § | ea is using an alternate means of complian 61.346 requirements for individual drain Question VIII.W.48 is "YES", go to Quest | n systems. | ☐ YES ☐ NO |
| | | 49. | CFR § 61.346(a). | ea has individual drain systems complying Question VIII.W.49 is "NO", go to Questi | | ☐ YES ☐ NO |
| | | 50. | operate such that th | vent systems used for individual drain sy ne individual drain system is maintained a atmospheric pressure. | ystems at a | ☐ YES ☐ NO |
| | | 51. | CFR § 61.346(b). | ea has individual drain systems complying Question VIII.W.51. is "NO", go to Quest | | ☐ YES ☐ NO |
| | | 52. | system to prevent the | he individual drain systems are equipped the flow of organic vapors from the junct mosphere during normal operation. | l with a ion box | ☐ YES ☐ NO |
| | | 53. | | pipes in the individual drain systems are o stem and control device. | connected | ☐ YES ☐ NO |
| | | 54. | process. | ea contains a cyanide chemicals manufact Question VIII.W.54is "NO", go to Section | | ☐ YES ⊠ NO |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 57) Federal Operating Permit Program

| Date: 8/1/2012 | | RN I | No.: RN100218841 | Permit No | o.: U3392 | |
|----------------|---|---------------------------|--|--|--|----------------------------------|
| Area N | lame: | Kanek | a CPVC Division | | | |
| <i>F F</i> | or SO or GO | P appl P app | ications, answer ALL ques lications, answer ONLY th | stions unless otherwise tese questions unless of | directed. therwise directed. | |
| VIII. | EMI | LE 40 SSIOI tinued, | CODE OF FEDERAL R N STANDARDS FOR H.) | REGULATIONS PAR AZARDOUS AIR PO | T 63 (40 CFR PART 6 LLUTANTS FOR SO | 3) - NATIONAL URCE CATEGORIES |
| | W. Subpart YY - National Emission Standards for Hazardous Air Pollutants for Source Categories - Generic Maximum Achievable Control Technology Standards | | | | s for Source Categories - | |
| | | 55. | The cyanide chemicals n wastewater containing hy | | | ☐ YES ☐ NO |
| | X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (continued) | | | | Emissions: Group IV | |
| | | 1. | The application area incl and/or their associated at § 63.1310(a)(1) - (5), tha If the response to Question | ffected sources specifie at are subject to 40 CFF | ed in 40 CFR R Part 63, Subpart JJJ. | ☐ YES ⊠ NO |
| | | 2. | The application area incl and/or wastewater stream associated with thermopl If the response to Question | ns and wastewater oper lastic product process u | rations that are units. | ☐ YES ☐ NO |
| | | 3. | All process wastewater s application area are from If the response to Question | a sources producing pol | lystyrene. | ☐ YES ☐ NO |
| | | 4. | All process wastewater s application area are from If the response to Question | a sources producing AS | SA/AMSAN. | YES NO |
| | | 5. | The application area includesignated as Group 1 on HAPs as defined in 40 C | r are determined to be (| er streams that are Group 1 for organic | YES NO |
| | | 6. | The application area inclexisting sources, that are 40 CFR § 63.1312. | | | ☐ YES ☐ NO |
| | | 7. | The application area includes new sources, that are Groß 63.1312. | | | YES NO |



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|---------------------|---|--|--|--------------------------------|------------|
| Area Name: 1 | rea Name: Kaneka CPVC Division | | | | |
| For SOF ♦ For GO | P appli P appl | ications, answer ALL lications, answer ON | . questions unless otherwise o LY these questions unless oth | lirected. aerwise directed. | |
| EMIS | | | | | |
| Х. | X. Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Grou Polymers and Resins (continued) | | | Emissions: Group IV | |
| | 8. | total source mass fl | vater streams at the site are do owrate of less than 1 MG/yr. Duestion VIII.X.8. is "YES", g | | YES NO |
| | 9. | streams demonstrat 1 MG/yr. | ed and/or partially treated Gred to have a total source mass | s flowrate of less than | ☐ YES ☐ NO |
| | 10. | | a includes waste managemen treated Group 1 wastewater s | | ☐ YES ☐ NO |
| | 11. | wastewater streams that is not owned or | r streams or residual removed are transferred to an on-site r operated by the owner or op e stream or residual. | treatment operation | ☐ YES ☐ NO |
| | 12. | wastewater streams | r streams or residual removed are transferred to an off-site duestion VIII.X.11 VIII.X.12 | treatment operation. | ☐ YES ☐ NO |
| | 13. | manage a Group 1 | a includes waste managemen wastewater stream or a residu r stream prior to shipment or | al removed from a | ☐ YES ☐ NO |
| | | | Containers | | |
| | 14. | | a includes containers that rec r stream or a residual remove | | YES NO |



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|---------------------------------|---------------------|-------------------|
| Area Name: Kaneka CPVC Division | | |

For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) Subpart JJJ - National Emission Standards for Hazardous Air Pollutant Emissions: Group IV X. Polymers and Resins (continued) Drains (continued) ☐ YES ☐ NO The application area includes individual drain systems that receive or 15. manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. If the response to Question VIII.X.15. is "NO", go to Question VIII.X.18. YES NO The application area includes individual drain systems that are 16. complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices. ☐ YES ☐ NO The application area includes individual drain systems that are 17. complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. ☐ YES ☐ NO The application area includes drains, drain hubs, manholes, lift stations, 18. trenches, or pipes that are part of an thermoplastic product process unit. If the response to Question VIII.X.18. is "NO", go to Section VIII.Y. ☐ YES ☐ NO The application area includes drains, drain hubs, manholes, lift stations, 19. trenches or pipes that meet the criteria listed in 40 CFR § 63.149(d) and § 63.1330(b)(12). If the response to Question VIII.X.19. is "NO", go to Section VIII.Y. The application area includes drains, drain hubs, manholes, lift stations, ☐ YES ☐ NO 20. trenches, or pipes that convey water with a total annual average concentration greater than or equal to 10,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at any flow rate. The application area includes drains, drain hubs, manholes, lift stations, YES NO 21. trenches or pipes that convey water with a total annual average concentration greater than or equal to 1,000 parts per million by weight of compounds meeting the definition of organic HAP in 40 CFR § 63.1312, at an annual average flow rate greater than or equal to 10 liters per minute.



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|--------------|---|---|---|--|--------------------------------------|
| 1 | | Kaneka CPVC Division | | | |
| <i>Fo Fo</i> | or SOF or GO | P applications, answer ALI P applications, answer ON | L questions unless otherwise directed. ILY these questions unless otherwise dire | cted. | |
| vm. | I. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | |
| | Х. | Subpart JJJ - National l Polymers and Resins (co | Emission Standards for Hazardous Air ontinued) | Pollutant E | missions: Group IV |
| | | | Drains (continued) | ············· | |
| | | trenches or pipes the that is a new affect equipment conveys greater than or equipment the definit | ra includes drains, drain hubs, manholes, nat are part of an thermoplastic product pred source or part of a new affected source water with a total annual average concertal to 10 parts per million by weight of colon of organic HAP in 40 CFR § 63.1312 or rate greater than or equal to 0.02 liter p | rocess unit e and the entration entrounds t, at an | ☐ YES ☐ NO |
| | Y. | Y. Subpart UUU - National Emission Standards for Hazardous Air Pollutants for Petroleum Refineries: Catalytic Cracking Units, Catalytic reforming Units, and Sulfur Recovery Units. | | | s for Petroleum r Recovery Units. |
| | | Subpart UUU - Na Pollutants for Petro | ea is subject to 40 CFR Part 63, tional Emission Standards for Hazardous bleum Refineries: Catalytic Cracking Un g Units, and Sulfur Recovery Units. | Air its, | ☐ YES ⊠ NO |
| | Z. | Subpart AAAA - Nation Waste (MSW) Landfills | nal Emission Standards for Hazardous | Air Pollutai | nts for Municipal Solid |
| * | | Subpart AAAA - N | ea is subject to 40 CFR Part 63, National Emission Standards for Hazardo icipal Solid Waste Landfills. | us Air | ☐ YES ⊠ NO |
| | AA. | AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) | | | ts for Miscellaneous |
| | | 1. The application are manufacture as a p in 40 CFR § 63.24 | ea is located at a site that includes process rimary product one or more of the chemi 35(b)(1). | s units that cals listed | ⊠ YES □ NO |
| | | 2. The application are defined in FCAA § | ea is located at a plant site that is a major \$112(a). | source as | ⊠ YES □ NO |



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| Area Name: Kaneka CPVC Division | | |

For SOP applications, answer ALL questions unless otherwise directed.

| \blacklozenge \bar{F} | or GOP app | plications, answer ONLY these questions unless otherwise directed. | - 19708974 | | | |
|---------------------------|--|---|--|--|--|--|
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | |
| | AA. Subpart FFFF - National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Production and Processes (MON) | | | | | |
| | 3. | The application area is located at a site that includes miscellaneous chemical manufacturing process units (MCPU) that process, use or generate one or more of the organic hazardous air pollutants listed in § 112(b) of the Clean Air Act or hydrogen halide and halogen HAP. If the response to Question VIII.AA.1, AA.2 or AA.3 is "NO", go to Section VIII.BB. | ⊠ yes □ no | | | |
| | 4. | The application area includes process vents, storage vessels, transfer racks, or waste streams associated with a miscellaneous chemical manufacturing process subject to 40 CFR 63, Subpart FFFF. If the response to Question VIII.AA.4 is "NO", go to Section VIII.BB. | ⊠ YES □ NO | | | |
| | 5. | The application area includes process wastewater streams. If the response to Question VIII.AA.5 is "NO", go to Question VIII.AA.17. | ⊠ YES □ NO | | | |
| | 6. | The application area includes process wastewater streams that are designated as Group 1 or are determined to be Group 1 for compounds listed in Table 8 or Table 8 and Table 9, as appropriate, of 40 CFR Part 63, Subpart FFFF. | ☐ YES ⊠ NO | | | |
| | 7. | All Group 1 wastewater streams at the site are demonstrated to have a total source mass flowrate of less than 1 MG/yr. If the response to Question VIII.AA.7. is "YES", go to Section VIII.BB. | ✓ YES ☐ NONo Group 1 WWStreams | | | |
| | 8. | The site has untreated and/or partially treated Group 1 wastewater streams demonstrated to have a total source mass flowrate of less than 1 MG/yr. If the response to Question VIII.AA.8. is "NO", go to Question VIII.AA.10. | ☐ YES ☐ NO | | | |
| | 9. | The application area includes waste management units that receive or manage a partially treated Group 1 wastewater stream prior to or during treatment. | ☐ YES ☐ NO | | | |



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| Area Name: Kaneka CPVC Division | | |

answer ALL auestions unless otherwise directed

| | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | |
|-------|--|--------------|--|------------|--|
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | |
| | AA. | Subp Orga | ts for Miscellaneous | | |
| | | 10. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an on-site treatment operation that is not owned or operated by the owner or operator of the source generating the waste stream or residual. | ☐ YES ☐ NO | |
| | | 11. | Group 1 wastewater streams or residual removed from Group 1 wastewater streams are transferred to an off-site treatment operation. If the response to Question VIII.AA.10. and VIII.AA.11. are both "NO", go to Question VIII.AA.13. | ☐ YES ☐ NO | |
| | | 12. | The application area includes waste management units that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream prior to shipment or transport. | YES NO | |
| | | 13. | The application area includes containers that receive, manage, or treat a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. | ☐ YES ☐ NO | |
| | | 14. | The application area includes individual drain systems that receive or manage a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream. If the response to Question VIII.AA.14. is "NO", go to Question VIII.AA.17. | ☐ YES ☐ NO | |
| | | 15. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of covers and, if vented, closed vent systems and control devices. | ☐ YES ☐ NO | |
| | | 16. | The application area includes individual drain systems that are complying with 40 CFR § 63.136 through the use of water seals or tightly fitting caps or plugs. | ☐ YES ☐ NO | |
| | | 17. | The application area includes drains, drain hubs, manholes, lift stations, trenches, or pipes that are part of a chemical manufacturing process unit that meets the criteria of 40 CFR § 63.100(b). If the response to Question VIII.AA.17. is "NO", go to Section VIII.BB. | ☐ YES ☐ NO | |



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|----------------|--|------------------|--|---|---|----------------------|
| Area N | ame: | Kanek | ta CPVC Division | | | : |
| igoplus Fe | or SOI or GO | o appl P appl | ications, answer ALI lications, answer ON | L questions unless otherwise directed. ILY these questions unless otherwise dire | cted. | |
| VIII. | VIII. TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | |
| | AA. | | | nl Emission Standards for Hazardous Auction and Processes (MON) | \ir Pollutan | ts for Miscellaneous |
| | | 18. | trenches or pipes (the manufacturing process 63.149(d). | a includes drains, drain hubs, manholes, hat are part of a miscellaneous chemical cess unit) that meet the criteria listed in 40 Question VIII.AA.18 is "NO", go to Section | 0 CFR | ☐ YES ☐ NO |
| | | 19. | trenches or pipes the concentration of con FFFF is greater that total annual load of | a includes drains, drain hubs, manholes, hat convey water with a total annual averampounds in table 8 of 40 CFR Part 63, Son or equal to 10,000 ppmw at any flowrate compounds in table 8 of 40 CFR Part 63 n or equal to 200 lb/yr. | age ubpart te, and the | ☐ YES ☐ NO |
| | | 20. | trenches or pipes the concentration of co FFFF is greater that | ea includes drains, drain hubs, manholes, nat convey water with a total annual averampounds in table 8 of 40 CFR Part 63, Son or equal to 1,000 ppmw, and the annual than or equal to 1 liter per minute. | age ubpart | ☐ YES ☐ NO |
| | | 21. | trenches or pipes the that is subject to the and the equipment concentration of co Subpart FFFF is green combined total annual contents. | ea includes drains, drain hubs, manholes, nat are part of a chemical manufacturing peenew source requirements of 40 CFR § 6 conveys water with a combined total annupounds in tables 8 and 9 of 40 CFR Pareater than or equal to 30,000 ppmw, and the load of compounds in tables 8 and 9 than or equal to 1 tpy. | process unit 53.2445(a); mal average at 63, the | ☐ YES ☐ NO |
| | BB. Subpart GGGG - National Emission Standards for Hazardous Air Polluta Extractions for Vegetable Oil Production. | | | nts for: Solvent | | |
| | | 1. | by itself a major so | ea includes a vegetable oil production propurce of HAP emissions or, is collocated was sources that are individually or collective emissions. | within a | ☐ YES ⊠ NO |



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|---------------------------------|---------------------|-------------------|--|
| Area Name: Kaneka CPVC Division | | | |

For SOP applications, answer ALL questions unless otherwise directed

| | | | lications, answer ONLY these questions unless otherwise directed. | | |
|-------|--|--------------------------|---|-------------------------------------|--|
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | |
| | CC. | Subj | part GGGGG - National Emission Standards for Hazardous Air Pollu | tants: Site Remediation | |
| | | 1. | The application area includes a facility at which a site remediation is conducted. If the answer to Question .CC.1. is "NO", go to Section VIII.DD. | ☐ YES ⊠ NO | |
| | | 2. | All site remediations qualify for one of the exemptions contained in 40 CFR § 63.7881(b)(1) through (6). If the answer to Question .CC.2. is "YES", go to Section VIII.DD. | ☐ YES ☐ NO | |
| | | 3. | Prior to beginning site remediation activities it was determined that the total quantity of HAP listed in Table 1 of Subpart GGGGG that will be removed during all site remediations will be less than 1 Mg/yr. | ☐ YES ☐ NO | |
| | | 4. | The site remediation will be completed within 30 consecutive calendar days. | ☐ YES ☐ NO | |
| | | 5. | The application area includes containers that manage site remediation materials subject to 40 CFR Part 63, Subpart GGGGG. If the response to Question VIII.CC.5 is "NO", go to Section VIII.DD. | ☐ YES ☐ NO | |
| | | 6. | The application area includes containers using Container Level 1 controls as specified in 40 CFR § 63.922(b). | ☐ YES ☐ NO | |
| | | 7. | The application area includes containers with a capacity greater than 0.46 m ³ that meet the requirements of 40 CFR § 63.7900(b)(3)(i) and (ii). | YES NO | |
| | | 8. | The application area includes containers using Container Level 2 controls as specified in 40 CFR § 63.923(b). | YES NO | |
| | | 9. | The application area includes containers using Container Level 3 controls as specified in 40 CFR § 63.924(b). | YES NO | |
| | DD. | Sub _j Cate | part BBBBBB - National Emission Standards for Hazardous Air Pollu egories: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipel | itants for Source ine Facilities | |
| | | 1. | The application area is located at a site that is an area source of hazardous air pollutants. If the answer to Question DD.1. is "NO", go to Section VIII.EE. | ☐ YES ⊠ NO | |



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| Date: 8/1/2012 | | | | RN No.: RN10021884 | 41 Permit | : No.: O3392 | | |
|----------------|--|----------------|---|--|--|--------------|--|--|
| Area Na | ame:] | Kanek | a CPVC Division | | | | | |
| Fo Fo | or SOI | appli Pappl | cations, answer AL ications, answer ON | L questions unless other ILY these questions unl | rwise directed. ess otherwise directed. | | | |
| VIII. | TATOMAN TO THE COURT OF THE COU | | | | | | | |
| | DD. Subpart BBBBBB - National Emission Standards for Hazardous Air Pollutants for Source Categories: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities | | | | | | | |
| | | 2. | The application are 40 CFR Part 63, Su Subpart R. | a includes a pipeline br lbpart BBBBBB, not su | reakout station, as defined abject to 40 CFR Part 63, | I in YES NO | | |
| , | | 3. | The application are 40 CFR Part 63, Su | | amping station as defined | in YES NO | | |
| | | 4. | CFR Part 63, Subpa | | ine plant as defined in 40 | ☐ YES ☐ NO | | |
| | | 5. | compliance with an | plant was operating, prince of the control of the c | or to January 10, 2010, in al or tribal rule or permit CFR § 63.11086(a). | that YES NO | | |
| | | 6. | 40 CFR Part 63, Su Subpart R or Subpart | ibpart BBBBBB, not su art CC. | ine terminal, as defined in abject to 40 CFR Part 63, NO", go to Section VIII.E. | ☐ YES ☐ NO | | |
| | | 7. | gallons per day. | terminal has a throughpuestion VIII.DD.7. is "Y | out of less than 250,000 VES", go to Section VIII.E | YES NO | | |
| | | 8. | The bulk gasoline other than railcar c | | into gasoline cargo tanks | YES NO | | |
| | | 9. | | | into railcar cargo tanks. VO", go to Section VIII.E. | E. YES NO | | |
| | | 10. | The bulk gasoline which do not colle | terminal loads gasoline ct vapors from a vapor | into railcar cargo tanks balance system. | ☐ YES ☐ NO | | |
| | | 11. | which collect vapo | terminal loads gasoline ors from a vapor balance ederal, State , local, or to | into railcar cargo tanks e system and that system ribal rule or permit. | ☐ YES ☐ NO | | |



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| Date: 8/1/2012 | | 2 | RN No.: RN100218841 Per | RN No.: RN100218841 Permit No.: | | | | |
|----------------|--|--|--|---------------------------------|------------------|--|--|--|
| Area Na | ame: | Kanek | a CPVC Division | | | | | |
| • Fo | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| VIII. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 63 (40 CFR PART 63) - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR SOURCE CATEGORIES (continued) | | | | | | | |
| | EE. | EE. Recently Promulgated 40 CFR Part 63 Subparts | | | | | | |
| * | | 1. | The application area is subject to one or more promulgated 40 C. Part 63 subparts not addressed on this form. If the response to Question VIII.EE.1. is "NO", go to Section IX of promulgated 40 CFR Part 63 subparts not otherwise addressed OP-REQ1 is included in the instructions | . A list | ⊠ yes □ no | | | |
| ♦ | | 2. Provide the Subpart designation (i.e. Subpart EEE) in the space provided below. | | | | | | |
| Subpart | ZZZ | Z | | | | | | |
| IX. | TITLE 40 CODE OF FEDERAL REGULATIONS PART 68 (40 CFR PART 68) - CHEMICAL ACCIDENT PREVENTION PROVISIONS | | | | | | | |
| | A. | Applicability | | | | | | |
| ♦ | | 1. | The application area contains processes subject to 40 CFR Part 6 Chemical Accident Prevention Provisions, and specified in 40 C § 68.10. | 58, FR | ⊠ YES □ NO | | | |
| Х. | | TITLE 40 CODE OF FEDERAL REGULATIONS PART 82 (40 CFR PART 82) - PROTECTION OF STRATOSPHERIC OZONE | | | | | | |
| | Α. | Subpart A - Production and Consumption Controls | | | | | | |
| * | | 1. | The application area is located at a site that produces, transformed destroys, imports, or exports a controlled substance or product. | s, | ☐ YES ⊠ NO ☐ N/A | | | |
| | В. | Subpart B - Servicing of Motor Vehicle Air Conditioners | | | | | | |
| ♦ | | 1. | Servicing, maintenance, and/or repair of fleet vehicle air conditi systems using ozone-depleting refrigerants is conducted in the application area. | oning | ☐ YES 🖾 NO | | | |
| | C. Subpart C - Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances | | | | | | | |
| * | | 1. | The application area sells or distributes one or more nonessential products (which release a Class I or Class II substance) that are to 40 CFR Part 82, Subpart C. | | ☐ YES ⊠ NO ☐ N/A | | | |



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|----------------|--|---|--|---|---------------------------------------|------------------|--|--|
| Are | a Name: | Kanel | ka CPVC Division | | | | | |
| ♦ | For SO | P app | lications, answer ALI lications, answer ON | L questions unless otherwise d VLY these questions unless oth | irected. erwise directed. | | | |
| X. | TO MONTH THE PROPERTY OF THE P | | | | | | | |
| | D. | Subj | ubpart D - Federal Procurement | | | | | |
| ♦ | | 1. | The application area is owned/operated by a department, agency, or instrumentality of the United States. | | | | | |
| | E. Subpart E - The Labeling of Products Using Ozone Depleting Substances | | | | | | | |
| ♦ | | 1. | substance is stored | ea includes containers in which or transported prior to the sale to the ultimate consumer. | | ☐ YES ⊠ NO ☐ N/A | | |
| * | | 2. | The application are distributor, or retail substance. | ea is a manufacturer, importer, ler of products containing a Cl | wholesaler, ass I or Class II | ☐ YES ☑ NO ☐ N/A | | |
| * | | 3. | The application are distributor, or retail uses a Class I or Cl | ea is a manufacturer, importer, ler of products manufactured v lass II substance. | wholesaler, with a process that | ☐ YES ⊠ NO ☐ N/A | | |
| | F. | F. Subpart F - Recycling and Emissions Reduction | | | | | | |
| ♦ | | 1. | vehicle air conditio | ance, and/or repair on refriger on appliances using ozone-dep cutes is conducted in the applic | leting refrigerants or | ⊠ YES □ NO | | |
| ♦ | , | 2. | Disposal of applian refrigerant or non-e application area. | nces (including motor vehicle a exempt substitute reclamation | air conditioners) or occurs in the | ☐ YES ⊠ NO ☐ N/A | | |
| * | | 3. | The application are and recovery equip | ea manufactures appliances or oment. | refrigerant recycling | ☐ YES ☒ NO ☐ N/A | | |
| | G. | Subpart G - Significant New Alternatives Policy Program | | | | | | |
| • | | 1. | product substitutes intended for use as | ea manufactures, formulates, o , or alternative manufacturing a replacement for a Class I or Question X.G.1 is "NO", go to | processes that are Class II compound. | ☐ YES ⊠ NO ☐ N/A | | |
| * | | 2. | | duced by the application area 140 CFR § 82.176(b)(1) - (7). | meet one or more of | ☐ YES ☐ NO ☐ N/A | | |



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| Date | e: 8/1/201 | 2 | | RN No.: RN100218841 Permit No.: O3392 | | |
|----------|---|-----------------|--|---|-----------|----------------------------|
| Area | ı Name: | Kanek | ca CPVC Division | | | |
| ♦ | For SO For GO | P appl P app | ications, answer ALI lications, answer ON | L questions unless otherwise directed. VLY these questions unless otherwise dire | cted. | |
| X. | TITI | LE 40 ATOS | CODE OF FEDER SPHERIC OZONE | AL REGULATIONS PART 82 (40 CF | R PART 82 |) - PROTECTION OF |
| | Н. | Subp | oart H -Halon Emiss | sions Reduction | | |
| * | | 1. | Testing, servicing, containing halons is | maintaining, repairing, or disposing of eq s conducted in the application area. | quipment | ☐ YES ⊠ NO ☐ N/A |
| * | ♦ 2. Disposal of halons or manufacturing of halon blends is conducted in the application area. | | | | lucted in | ☐ YES ⊠ NO ☐ N/A |
| XI. | MIS | CELL | ANEOUS | | | |
| - | A. | Requ | nirements Reference | e Tables (RRT) and Flowcharts | | |
| | | 1. | | a contains units that are potentially subje th the TCEQ has not developed an RRT a | | ⊠ YES □ NO |
| ļ | В. | Forn | ns | | | |
| * | 1. The application area contains units that are potentially subject to a regulation for which the TCEQ has not developed a unit attribute form If the response to Question XI.B.1 is "NO" or "N/A", go to Section XI.C. | | ribute form. | ☐ YES ☐ NO ☐ N/A . | | |
| ♦ | ♦ 2. Provide the Part and Subpart designation for the federal rule(s) or the Chapter, Subchapter and Division designation for the State regulation(s) in the space provided below. | | | | | napter, Subchapter and ow. |
| | PS, Subpa CT, Subj | | FFF – Fugitive Emiss | ions | | |
| | C. | Emi | ssion Limitation Ce | rtifications | | |
| * | ♦ 1. The application area includes units for which federally enforceable emission limitations have been established by certification. | | | | rceable | ☐ YES ⊠ NO |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 69) Federal Operating Permit Program

| Date: 8/1/2012 | | | | RN No.: RN100218841 | Permit No. | : O3392 | |
|--|---|-------|--|---|---|-------------------|--|
| Area | Name: | Kanek | ta CPVC Division | | *************************************** | AT | |
| ♦ | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | |
| XI. | MIS | CELL | ANEOUS (continue | ed) | | | |
| D. Alternative Means of Control, Alternative Emission Limitation or Standa Requirements | | | | | | rd, or Equivalent | |
| | 1. The application area is located at a site that is subject to a site specific requirement of the state implementation plan (SIP). | | | | ☐ YES ⊠ NO | | |
| | 2. The application area includes units located at the site that are subject to a site specific requirement of the SIP. | | | ☐ YES ⊠ NO | | | |
| using an alternative | | | using an alternative standard or equivale | a includes units which demonst means of control, alternative e ent requirements approved by the | mission limitation or | ☐ YES ⊠ NO | |
| | E. | Tit | le IV - Acid Rain P | rogram | | | |
| | | 1. | | a includes emission units subject cluding the Opt-In Program. | ct to the Acid Rain | ☐ YES ⊠ NO | |
| | | 2. | The application are exemption under 40 | a includes emission units qualif CFR § 72.7 | ying for the new unit | ☐ YES ⊠ NO | |
| | | 3. | The application are unit exemption und | a includes emission units qualif er 40 CFR § 72.8. | lying for the retired | ☐ YES ⊠ NO | |
| | F. | Clea | n Air Interstate Ru | le (CAIR NO _x and CAIR SO ₂ | Permit) | | |
| | | 1. | requirements of the | a includes emission units subject Clean Air Interstate Rule. Suestion XI.F.1. is "NO", go to | | ☐ YES ⊠ NO | |
| | | 2. | | a includes emission units qualif der 40 CFR §§ 96.105 and 96.2 | | YES NO | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 70) **Federal Operating Permit Program**

| Date: 8/1/2012 | RN No.: RN100218841 | Permit No.: O3392 | | | | | |
|----------------------------------|--|-------------------|--|--|--|--|--|
| Area Name: Kaneka CPVC Division | | | | | | | |
| East COD and lighting angular Al | E. COD and institute annual AII associates subsections discorted | | | | | | |

For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. XI. **MISCELLANEOUS** (continued) G. Permit Shield (SOP Applicants Only) 🛛 YES 🗌 NO A permit shield for negative applicability entries on Form OP-REQ2 1. (Negative Applicable Requirement Determinations) is being requested **OP-REO2** submitted but shield not requested. or already exists in the permit. GOP Type (Complete this section for GOP applications only) H. The application area is applying for initial issuance, revision, or ☐ YES ☐ NO 1. renewal of an oil and gas general operating permit under 511 - Oil and Gas General Operating Permit for Brazoria, Chambers, Collin, Dallas, Denton, El Paso, Fort Bend, Galveston, Hardin, Harris, Jefferson, Liberty, Montgomery, Orange, Tarrant, and Waller Counties. 🗌 YES 🗌 NO 2. The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under 512 - Oil and Gas General Operating Permit for Gregg, Nueces, and Victoria Counties. \prod YES \prod NO 3. The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under 513 - Oil and Gas General Operating Permit for Aransas, Bexar, Calhoun, Matagorda, San Patricio, and Travis Counties. ☐ YES ☐ NO The application area is applying for initial issuance, revision, or renewal of an oil and gas general operating permit under 514 - Oil and Gas General Operating Permit for All Texas Counties Except Aransas, Bexar, Brazoria, Calhoun, Chambers, Collin, Dallas, Denton, El Paso, Fort Bend, Galveston, Gregg, Hardin, Harris, Jefferson, Liberty, Matagorda, Montgomery, San Patricio, Tarrant, Travis, Victoria, and Waller County. The application area is applying for initial issuance, revision, or ☐ YES ☐ NO 5. renewal of a solid waste landfill general operating permit under

517 Municipal Solid Waste Landfill general operating permit.



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 71) Federal Operating Permit Program

| Date: 8/1/2012 | RN No.: RN100218841 | Permit No.: | O3392 | | | |
|--|--|------------------|------------------|--|--|--|
| Area Name: Kaneka CPVC Division | Area Name: Kaneka CPVC Division | | | | | |
| | L questions unless otherwise directed. ILY these questions unless otherwise dire | ected. | | | | |
| XI. MISCELLANEOUS (continue | ed) | | | | | |
| I. Title 30 TAC Chapter 10 | 01, Subchapter H | | | | | |
| | a is located in a nonattainment area. Suestion XI.I.1. is "NO", go to question X | XI.I.3. | ⊠ YES □ NO | | | |
| 1 | r will generate emission reductions to be ns Banking and Trading Program. | credited in | ☐ YES ⊠ NO ☐ N/A | | | |
| • 3. The applicant has o credited in the TCE | ons to be ram. | ☐ YES ⊠ NO ☐ N/A | | | | |
| ♦ 4. The application are: Houston/Galveston, have a collective un of NOx. | | ⊠ yes □ no | | | | |
| 1 | 5. The application area includes an electric generating facility permitted under 30 TAC Chapter 116, Subchapter I. | | | | | |
| Houston/Galveston potential to emit mo compounds (HRVC | 6. The application area is located at a site in the Houston/Galveston/Brazoria nonattainment area and the site has a potential to emit more than 10 tpy of highly-reactive volatile organic compounds (HRVOC) from facilities covered under 30 TAC Chapter 115, Subchapter H, Divisions 1 and 2. | | | | | |
| ♦ 7. The application are Houston/Galveston to emit 10 tpy or les applicant is opting to 101, Subchapter H, and Trade Program | d the AC Chapter | ☐ YES ⊠ NO | | | | |
| J. Periodic Monitoring | | | | | | |
| | rmit holder is submitting or has previous ne periodic monitoring proposal describ | | ☐ YES ⊠ NO | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 72) Federal Operating Permit Program

| Date: | 8/1/2012 | *** | RN No.: RN100218841 | Permit No.: | O3392 | | | |
|---|---|--|---|-----------------------------------|------------|--|--|--|
| Area | Name: Ka | aneka CPVC Division | | | | | | |
| ♦ | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| XI. | MISCI | ELLANEOUS (continu | ed) | | | | | |
| | К. С | Compliance Assurance | Monitoring | | | | | |
| ♦ 1. The application area includes at least one unit with a pre-control device potential to emit greater than or equal to the amount in tons per year required in a site classified as a major source. If the response to Question XI.K.1. is "NO", go to Section XII. | | | | | ☐ YES ⊠ NO | | | |
| ♦ 2. The unit or units defined by XI.K.1 are using a control device to comply with an applicable requirement. If the response to Question XI.K.2. is "NO", go to Section XII. | | | | ☐ YES ☐ NO | | | | |
| ♦ 3. The permit holder has submitted a CAM proposal on Form OP-MON in a previous application. | | | | ☐ YES ☐ NO | | | | |
| * | The owner/operator or permit holder is submitting a CAM proposal on Form OP-MON according to the deadlines for submittals in 40 CFR § 64.5 in this application. | | a CAM proposal on nittals in 40 CFR | YES NO | | | | |
| | 5 | The owner/operato implementation place conditions in the period of the p | r or permit holder is submitting a an and schedule to be incorporate ermit. | a CAM ed as enforceable | ☐ YES ☐ NO | | | |
| 6. Provide the unit identification numbers for the units for which the applicant is submitting a Ca implementation plan and schedule in the space below. | | | | | | | | |
| * | 7 | 7. At least one unit do | efined by XI.K.1. and XI.K.2. is neeting the requirements of 40 Cl | using a CEMS, FR § 64.3(d)(2). | YES NO | | | |
| ♦ | 8 | PEMS meeting the | y XI.K.1. and XI.K.2. are using a requirements of 40 CFR § 64.3(Question XI.K.8. is "YES", go to | d)(2). | ☐ YES ☐ NO | | | |
| * | 9 | | l as described by question XI.K.? te matter or opacity. | 3.or XI.K.4. | ☐ YES ☐ NO | | | |

The CAM proposal as described by question XI.K.3.or XI.K.4.

The control device in the CAM proposal as described by question

addresses VOC.

XI.K.3.or XI.K.4. has a bypass.

10.

11.

☐ YES ☐ NO

YES NO



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 73)

Federal Operating Permit Program

| Date: 8/1/2012 RN No.: RN100218841 Permit No.: O3392 | | | O3392 |
|---|---|------------|------------|
| Area Name: Kaneka CPVC Division | | | |
| | , questions unless otherwise directed. LY these questions unless otherwise dire | cted. | |
| XII. NEW SOURCE REVIEW (NS | SR) AUTHORIZATIONS | | |
| A. Waste Permits with Air | Addendum | | |
| Industrial Hazardou | a includes a Municipal Solid Waste Perm as Waste with an Air Addendum. A.I. is "YES", include the waste permit in Section XII.J. | | ☐ YES ⊠ NO |
| B. Air Quality Standard Pe | ermits | | |
| ♦ 1. The application area includes at least one Air Quality Standard Permit NSR authorization. If the response to XII.B.1 is "NO", go to Section XII.C. If the response to XII.B.1 is "YES", be sure to include the standard permit's registration numbers in Section XII.H, and answer XII.B.2 - B.13 as appropriate. | | | ∏ YES ⊠ NO |
| ♦ 2. The application area includes at least one "Pollution Control Proj Air Quality Standard Permit NSR authorization. | | Project" | YES NO |
| | 3. The application area includes at least one "Modification of Oil and Gas Facilities" Air Quality Standard Permit NSR authorization. | | ☐ YES ☐ NO |
| | Landfill" Air Quality Standard Permit NSR authorization under | | |
| ♦ 5. The application are Landfill Facilities a under 30 TAC Chap | | ☐ YES ☐ NO | |
| 6. The application area Quality Standard Pe | lant" Air | ☐ YES ☐ NO | |
| + + | a includes at least one "Concrete Batch P 'Air Quality Standard Permit NSR author | | ☐ YES ☐ NO |
| | a includes at least one "Hot Mix Asphalt ermit NSR authorization. | Plant" Air | ☐ YES ☐ NO |
| ♦ 9. The application area Standard Permit NS | a includes at least one "Rock Crusher" A R authorization. | ir Quality | ☐ YES ☐ NO |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 74) Federal Operating Permit Program

| Date: | 8/1/201 | 12 | | RN No.: RN100218841 | 41 Permit No.: O3392 | | | |
|------------|--|-------|------------------------------------|---|----------------------|-------|------------|--|
| Area | Name: | Kanel | ka CPVC Division | | | | | |
| ♦ . | For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | | |
| XII. | NEV | v sot | JRCE REVIEW (N | SR) AUTHORIZATIONS | (continued) | | | |
| | В. | Air (| Quality Standard Pe | ermits | | | ! | |
| * | | 10. | Air Quality Standar | a includes at least one "Elect d Permit NSR authorization II.B.10 is "NO", go to Ques | ı . | | ☐ YES ☐ NO | |
| ♦ | ♦ 11. For purposes of "Electric Generating Unit" Air Quality Standard Permit, the application area is located in the East Texas Region. | | | | ☐ YES ☐ NO | | | |
| * | | 12. | | ectric Generating Unit" Air ion area is located in the W | | | ☐ YES ☐ NO | |
| * | 13. The application area includes at least one "Boiler" Air Quality Standard Permit NSR authorization. | | ty | ☐ YES ☐ NO | | | | |
| | C. | Flex | ible Permits | | | | | |
| • | | 1. | The application are authorization. | a includes at least one Flexi | ble Permit N | SR | ☐ YES ⊠ NO | |
| | D. | Mul | tiple Plant Permits | | | | | |
| | | 1. | The application are authorization. | a includes at least one Multi | -Plant Permi | t NSR | ☐ YES ⊠ NO | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 75) Federal Operating Permit Program

| Date: 8/1/2012 | RN No.: RN1002188 | 41 | Perr | Permit No.: O3392 | | | | |
|--|---|-------------------------------------|---------------------|-------------------|---------|-----------------|---------|----------------|
| Area Name: Kaneka CPVC Division | | | | | | | | |
| For SOP applications, answer AL For GOP applications, answer ON | L questions unless other VLY these questions unl | rwise directed. less otherwise d | lirected. | | | | <u></u> | · WEE. |
| XII. NEW SOURCE REVIEW (N | SR) AUTHORIZATIO | ONS (Attach a | ddition | al shee | ts if n | ecessar | y) | |
| ♦ E. PSD Permits and PSD N | Aajor Pollutants | | | · | | | Ţ. · | r |
| PSD Permit No.: | Pe | ollutant(s) | | | | ' | | |
| PSD Permit No.: | Po | ollutant(s) | | | · | | | |
| PSD Permit No.: | Po | ollutant(s) | | | | | | |
| PSD Permit No.: | Pe | ollutant(s) | | | | | | |
| ♦ F. Nonattainment (NA) Pe | rmits and NA Major I | Pollutants | | | · | | T | , - |
| NA Permit No.: | Pe | ollutant(s) | | | | | | |
| NA Permit No.: | P | ollutant(s) | | | | | | |
| NA Permit No.: | P | Pollutant(s) | | | | | | |
| NA Permit No.: | P | ollutant(s) | | | | | | |
| ♦ G. NSR Authorizations wit | th FCAA § 112(g) Req | quirements | | | | | | |
| NSR Permit No.: | N | ISR Permit No. | .: | | | | | |
| NSR Permit No.: | N | NSR Permit No.: | | | | | | |
| NSR Permit No.: | N | NSR Permit No.: | | | | | | |
| ♦ H Title 30 TAC Chapter 1 (Other Than Permits B | 16 Permits, Special Po y Rule, PSD Permits, I | ermits, Standa NA Permits) fo | rd Perr or the A | nits, C pplica | ther A | Authori rea. | zations | |
| Authorization No.: 77886 | A | Authorization No.: | | | | | | |
| Authorization No.: | A | Authorization No.: | | | | | | |
| Authorization No.: | A | Authorization N | o.: | | | | | |
| Authorization No.: | A | Authorization No.: | | | | | ••• | |
| Authorization No.: | A | Authorization No.: | | | | | | |
| Authorization No.: | A | Authorization N | o.: | | | | | |
| Authorization No.: | A | Authorization No.: | | | | | | |



Texas Commission on Environmental Quality Application Area-Wide Applicability Determinations and General Information Form OP-REQ1 (Page 76) Federal Operating Permit Program

| Date: 8/1/2012 | RN No.: RN100218841 | Permit No.: O3392 | | | |
|---------------------------------|---------------------|-------------------|--|--|--|
| Area Name: Kaneka CPVC Division | | | | | |

| The Traine. Italient of your british | | | | | | |
|---|---|--|--|--|--|--|
| For SOP applications, answer ALL questions unless otherwise directed. For GOP applications, answer ONLY these questions unless otherwise directed. | | | | | | |
| XII. NEW SOURCE REVIEW (NSR) AUTHORIZA | XII. NEW SOURCE REVIEW (NSR) AUTHORIZATIONS (Attach additional sheets if necessary) | | | | | |
| ♦ I. Permits by Rule (30 TAC Chapter 106) for | the Application Area | | | | | |
| A list of selected Permits by Rule (previously referred to as FOP application is available in the instructions. | standard exemptions) that are required to be listed in the | | | | | |
| PBR No.: 106.511 | Version No./Date: 9/4/2000 | | | | | |
| PBR No.: 106.262 | Version No./Date: 11/1/2003 | | | | | |
| PBR No.: 106.371 | Version No./Date: 9/4/2000 | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| PBR No.: | Version No./Date: | | | | | |
| ♦ J. Municipal Solid Waste and Industrial Haza | ardous Waste Permits With an Air Addendum | | | | | |
| Permit No.: | Permit No.: | | | | | |
| Permit No.: | Permit No.: | | | | | |
| Permit No.: | Permit No.: | | | | | |
| Permit No.: | Permit No.: | | | | | |

Form OP-REQ2 Negative Applicable Requirement Determination



Texas Commission on Environmental Quality Form OP-REQ2 Negative Applicable Requirement Determinations Federal Operating Permit Program

| Date: 8/1/2012 | Regulated Entity No.: RN100218841 | Permit No.: O3392 |
|--|-----------------------------------|-------------------|
| Company Name: Kaneka North America LLC | Area Name: Kaneka CPVC Division | |

| | | Unit/Group | Process Process | | | |
|---------|--------------|------------|--------------------|---|------------------------------------|---|
| Unit AI | Revision No. | ID No. | Applicable Form | Potentially Applicable Regulatory Name | Negative Applicability Citation | Negative Applicability Reason |
| A | 1 | Y-C801 | OP-REQ2 | MACT F | 63.104 | Cooling process fluids contain less than 5 percent by weight of organic HAPs. |
| A | 2 | C011 | OP-REQ2 | MACT FFFF | 63.2550(i) | All process streams within the CPVC MCPU contain less than 5 percent by weight of organic HAPs. |
| A | 7 | T-C102A | OP-REQ2 | MACT FFFF | 63.2550(i) | Aggregated partial pressure of the impurities associated with the PVC powder is less than 0.69kPa(0.1 psia) |
| | | | | | | |
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Form OP-UA2 Stationary Reciprocating Internal Combustion Engine Attributes



Stationary Reciprocating Internal Combustion Engine Attributes Form OP-UA2 (Page 4) Federal Operating Permit Program

Table 2a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart ZZZZ: National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating
Internal Combustion Engines

| Date: 8/1/2012 | Permit No.: 03392 | Regulated Entity No.: RN100218841 |
|----------------------------|-------------------|-------------------------------------|
| Area Name: Kaneka CPVC Div | ision | Customer Reference No.: CN604059352 |

| Unit ID No. | SOP/GOP Index No. | Brake HP | Construction/ Reconstruction Date | Nonindustrial Emergency Engine | Service Type | Installation Date | Stationary RICE Type |
|-------------|-------------------|----------|---|--------------------------------------|--------------|----------------------|-------------------------|
| SBG-812 | | 300-500 | 06+ | | EMER | YES | |
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TCEQ - 10003 (Revised 04/12) OP-UA2 This form for use by facilities subject to air quality permit, requirements and may be revised periodically. (APDG 5702v12)

| Page | of | |
|------|--------|--|
| FARC | O. | |

Form OP-UA15 Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes



Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes Form OP-UA15 (Page 32) Federal Operating Permit Program

Table 13a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63) Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - Continuous Process Vents

| Date: 8/1/2012 | Permit No.: O3392 | Regulated Entity No.: RN100218841 |
|---------------------------------|-------------------|-------------------------------------|
| Area Name: Kaneka CPVC Division | n · | Customer Reference No.: CN604059352 |

| Emission Point ID No. | SOP Index No. | Emission Standard | Comb Device | 95% Scrubber | Perf Test | Negative Pressure | Bypass Line |
|--------------------------|---------------|----------------------|-------------|--------------|-----------|----------------------|-------------|
| V-C703A | | GRP2 | · | | | | |
| T-C706 | | GRP2 | | | | | |
| Z-C710 | | GRP2 | | | | | |
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TCEQ-10046 (Revised 05/12) OP-UA15 Instructions
This form is for use by facilities subject to air quality permit
requirements and may be revised periodically. (APDG 5168v39)

| Page | of | |
|------|----|--|
| 145 | | |



Emission Point/Stationary Vent/Distillation Operation Vent/Process Vent Attributes Form OP-UA15 (Page 33) Federal Operating Permit Program

Table 13b: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63) Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing - Continuous Process Vents

| Date: 8/1/2012 | Permit No.: O3392 | Regulated Entity No.: RN100218841 |
|------------------------------|-------------------|-------------------------------------|
| Area Name: Kaneka CPVC Divis | sion | Customer Reference No.: CN604059352 |

| SOP Index No. | Recovery Device | Existing Source | TRE Index Threshold | Alt 63SS Mon Parameters | Alt 63SS Mon ID | SS Device Type | SS Device ID | Water |
|---------------|--------------------|--------------------|------------------------|---|--|--|--|---|
| | NO | | | | | | | |
| | NO | | | | | | | |
| | NO | | | | | | | |
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| | | | | | | | | |
| | SOP Index No. | Device NO NO | Device Source NO NO | Device Source Threshold NO NO NO NO | Device Source Threshold Parameters NO NO NO NO | Device Source Threshold Parameters ID NO NO NO NO NO NO NO NO NO N | Device Source Threshold Parameters ID Type NO NO NO NO | Device Source Threshold Parameters DD Type NO NO NO NO NO NO NO NO NO N |

TCEQ-10046 (Revised 03/09) OP-UA15 Forms
This form is for use by facilities subject to air quality permit
requirements and may be revised periodically. (APDG 5168v38)

Page ____ of ____

Form OP-UA60 Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes



Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes Form OP-UA60 (Page 6) Federal Operating Permit Program

Table 3: Title 30 Texas Administrative Code Chapter 115 (30 TAC Chapter 115)

| Date: 8/1/2012 | Permit No.: O3392 | Regulated Entity No.: 100218841 |
|-------------------|-------------------|-----------------------------------|
| Area Name: Kaneka | CPVC Division | Customer Reference No.: 604059352 |

| Process ID No. | SOP Index No. | Batch Process Annual Mass Emission | Single Unit Annual Mass Emissions | Alternate Control Requireme nt | ACRID No. | Aggregate Flow Rate | Control Device | Control Device ID No. |
|----------------|---------------|------------------------------------|---|---|-----------|------------------------|-------------------|--------------------------|
| F-C601 | | YES | | | | | | |
| F-C603A | | YES | | | | | | |
| F-C603B | | YES | | | | | | |
| F-C110 | | YES | | | | | | |
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Chemical Manufacturing/Elastomer/Thermoplastic Process Unit Attributes Form OP-UA60 (Page 11) Federal Operating Permit Program

Table 6a: Title 40 Code of Federal Regulations Part 63 (40 CFR Part 63)
Subpart FFFF: National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical
Manufacturing - MCPU Processes with Batch Vents

| Date: 8/1/2012 | Permit No.: O3392 | Regulated Entity No.: RN100218841 |
|---------------------------------|-------------------|-------------------------------------|
| Area Name: Kaneka CPVC Division | | Customer Reference No.: CN604059352 |

| Process ID No. | SOP Index No. | Designated Grp1 | Determined Grp1 | Vent Emission Control |
|----------------|---------------|-----------------|-----------------|-----------------------|
| F-C110 | | NO | NO | |
| | | | | |
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TCEQ 10296 (Revised 04/12) OP-UA60 Form This form for use by facilities subject to air quality permit requirements and may be revised periodically. (APDG 5153v7)